Subject: Re: San Pedro BID Renewal - Submittal of revised/corrected MDP and 1st submittal of ER
From: Dennis Rader
Date: 12/16/2016 10:07 AM
To: Edward Henning
CC: Lorena at San Pedro BID <lparker@sanpedrobid.com>

Ed, here's what I came up with:

I revised the public parcels spreadsheet that you sent in your email from last night. The reason you were getting the same subtotal results in the "rounded" number column K was because your subtotaled cells in column K referenced the subtotals in non-rounded column H. I re-did the column K formulas to directly subtotal those rounded values in column K, and obtained different results. You can see that many of the rounded subtotals are actually different than the non-rounded ones.

Which means that if you used the non-rounded values in your final MDP public parcels chart, and someone would later use their calculator to add the numbers, they would not necessarily get the same result as the list subtotal, and would certainly get a different grand total.

I can only see two ways around this, for this type of chart. One is to use the rounded values for the Govt parcel assessments by applying the ROUND function. Since it's just one small chart, this would seem to me to be the best option.

The other option is to change the precision that excel uses when calculating numbers in your workbook. If you had a very large complex chart or many pages of calculations already set up, it wouldn't make sense to have to go through and update each set of numbers, even with formulas. This option would update all of your numbers in your workbook to the precision of your choice. One would have to be careful using this, because it does actually change the numbers in the entire workbook and would affect the accuracy of a long series of calculations.

On Fri, Dec 16, 2016 at 8:11 AM, Dennis Rader <dennis.rader@lacity.org> wrote:

> Ed, let me look at the rounding issue while we wait for the MDP/ER review.

On Thu, Dec 15, 2016 at 8:06 PM, Edward Henning <mred2@earthlink.net> wrote:

> Hi Dennis - instead of recirculating a new MDP and ER to the entire group just to show the one correction in the Public Parcels table, I'm just sending you, for now, the corrected original excel file from where it originated. I've added to to my internal copies of the MDP and ER but will await the 1st round of corrections from Miranda and Rick for a new submittal to minimize the number of versions in circulation.
>
> I notice that no matter how I alter the formatting or rounding, I seem to have occasional subtotal cells with numbers that are off by one cent - in this case the Long Beach parcels manually add up to the correct $12,420.12 but using the auto subtotal function it shows $12,420.11. Even when I create a separate column to the right using the RD (round) function it still produces the same slightly wrong result. Are you aware of an override feature in Excel that might correct this "cumulative" rounding error. Eugene and I tried to resolve this a few years ago on another BID and he found some very elaborate method to overcome this inherent issue which seemed quite complex for what should be a very simple solution.
>
> This is the same issue that plagued me on the General/Special Benefit tables in the MDP and ER for this same BID.
>
> Any thoughts or advice you have would be appreciated.
>
> Thanks.
>
> **Ed Henning, Principal Consultant**
> **Edward Henning & Associates**
> **760-868-9963**
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> -----Original Message-----
> From: Dennis Rader
> Sent: Dec 12, 2016 8:49 AM
> To: Rick Scott
> Cc: Edward Henning , Miranda at LA Clerk , Rosemary at LA City Clerk , Lorena at San Pedro BID
> Subject: Re: San Pedro BID Renewal - Submittal of revised/corrected MDP and 1st submittal of ER
>
> Hi Ed, upon review of the numbers in the latest MDP version and the ER, I found just one error:
>
> In the Publicly Owned Parcels list, the Long Beach City total is still the old value of $12,277.95 from when that one Long Beach parcel was missing.
>
> It should be the new value of $12,420.12
>
> The grand total of all the Govt parcels is correct, just that one value needs to be updated in both the MDP and ER list.
>
> On Mon, Dec 12, 2016 at 7:27 AM, Dennis Rader <dennis.rader@lacity.org> wrote:
>
> > Thanks Ed.

On Mon, Dec 12, 2016 at 6:30 AM, Rick Scott <rick.scott@lacity.org> wrote:

> Thanks Ed.
>
> On Mon, Dec 12, 2016 at 12:34 AM, Edward Henning <mred2@earthlink.net> wrote:
>
> > Hello all - here is a slightly revised MDP based on 2 rounds of numeric corrections per Dennis' comments. Also attached is the 1st submittal of the ER.
> >
> > Please note that based on numeric rounding issues we've had in the past in Tables within these docs in other BIDs, I've chosen to use dollars and cents to try to avoid the rounding issue. However, in the more complex multi page table delineating special and general benefits per zone for the full ten years, there are still some inherent albeit very minor rounding errors - we're off by 1 or 2 cents instead of 1 or 2 dollars in random locations. Let me know if this is problematic to anyone.
> >
> > Thank you for your continued assistance with these BID renewals.
> >
> > **Ed Henning, Principal Consultant**
> > **Edward Henning & Associates**
> > **760-868-9963**
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> --
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